

2012 SEAFOOD PROCESSING WASTE PERMITTING & COMPLIANCE WORKSHOP

Module 4C – Sea Surface & Shoreline Monitoring



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Module 4C Objectives



- Explain required sea surface and shoreline monitoring permittee observations.
- Review sea surface data collection; including record keeping, proper form usage, and photography requirements.
- Discuss tide cycle considerations for monitoring efforts and logs.

Module 4C – What You Will Learn



- How to effectively collect sea surface monitoring information and to include tide cycle considerations.
- Learn to correctly complete the required logs for filing with the annual report.
- Understand the required photographic standards for sea surface monitoring.

Sea Surface & Shoreline Monitoring

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Sea Surface Monitoring

All operators shall conduct a sea surface monitoring program. The purpose of the sea surface monitoring program is to determine compliance with WQS and to document observations of, or incidents involving, threatened or endangered species. The requirements of the sea surface monitoring program can be found in Permit Part 6.4. The daily log shall be submitted with the annual report. An operator can use the example Sea Surface Visual Monitoring Log (see permit Attachment C).

Sea Surface Monitoring



Sea Surface Monitoring Requirements

An operator authorized under the APDES GP is required to conduct daily sea surface monitoring while discharging seafood processing effluents to ensure compliance with permit requirements for:

- Water Quality Standards (WQS)
- Permit Conditions
- Threatened / Endangered Species Observations or Incidents

Sea Surface Monitoring



Daily sea surface monitoring shall be recorded on the *Sea Surface Monitoring Log* form, which is provided with the APDES as Attachment C.

Sea Surface Monitoring Log Form



Requirements

An operator shall submit a report summarizing the information gathered during the calendar year, including certified copies of the monitoring logs, to ADEC. A certified copy of a log is when each observer who records an observation on a log sheet signs the log sheet and certifies as stated in Appendix A, Part 1.12.5. with the annual report (Part 6.2.2.11.6).

Signatory requirements. The monitoring report shall be signed by a principal officer or a duly appointed representative of the operator (Appendix A, Part 1.12, Signature Requirement and Penalties).

Sea Surface Monitoring Log – Attachment C



ATTACHMENT C- SEA SURFACE VISUAL MONITORING LOG

An operator shall conduct daily sea surface monitoring while discharging to determine compliance with WQS, the permit conditions, and to document observations of, or incidents involving, threatened or endangered species.

	PERMIT Number AKG52				
	DATE/TIME	Estimate the area (feet) of continuous films, sheens, or mats of foam and the probable cause.	Tide cycle	Number of Steller sea lion, Steller's eider, spectacled eider, northern sea otter, and short- tailed albatross. Note if injured or dead and probable cause.	Initials of Observer
-1		B	\mathbf{C}	D	F
-1		D.	C .	D .	<u></u>
-1					
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Name, Initials, Signature of Observer #1:

Name, Initials, Signature of Observer #2:

Name, Initials, Signature of Observer #3:

Comments

October 29, 2010

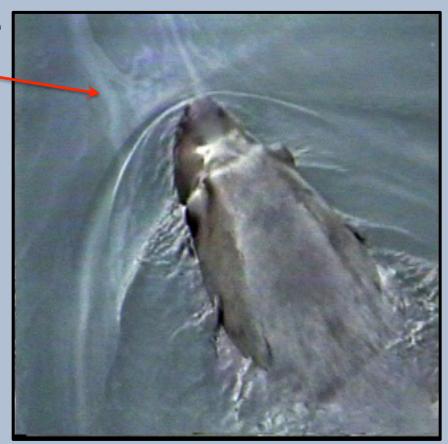
- A. Record the total number of days for which observations were made.
- B. Record the daily occurrence and areal extent of contiguous films, sheens, or mats of foam in feet.
- C. Record observations at various phases of the tide cycle.
- D. Record the occurrence and numbers of animals identified as threatened or endangered, noting injury or death and probable cause:
 - Steller sea lion
 - Steller's eider
 - spectacled eider
 - northern sea otter
 - short-tailed albatross.
- E. Initials and Signatures of Observers.

Wildlife Observation



Note oil sheen on

the surface



Sea Surface Monitoring - Photographs



In addition to the *Sea Surface Monitoring Log*, a permittee shall capture digital pictures of the sea surface while processing is occurring.

Minimum Photo Requirements:

- Photos must be taken at least once per month while processing is occurring.
- Photos must provide sufficient clarity and detail to support the observations on the daily log form, and must represent what was observed.
- Photos must include a digital date and time stamp.

Sea Surface Monitoring - Photographs



A written photograph log with the name of the person taking the picture and picture description shall track the daily observations and operations.

Pictures and the picture log shall be submitted on a CD or DVD as required with the APDES annual report.

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Noncompliance Observations

An operator shall report any noncompliance to ADEC in accordance with Appendix A, Part 3.5, (Other Noncompliance Reporting), and a written summary submitted with the annual report (Part 6.2.2.7). The summary will include the duration of the noncompliance and how the noncompliance was resolved.

Sea Surface & Shoreline Monitoring







Shoreline Monitoring

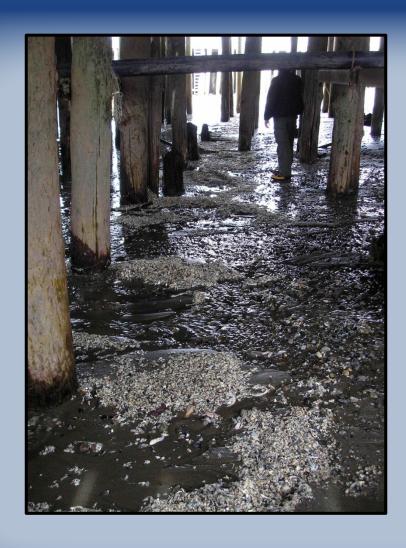


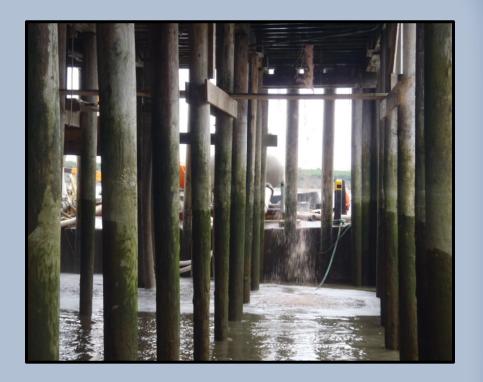
Floating solids, debris, sludge, deposits, foam, scum or other residues discharged shall not:

- cause the water to be unfit or unsafe for use;
- cause a film, sheen, or discoloration on the surface of the water or adjoining shorelines; or
- cause a sludge, solid or emulsion to be deposited beneath or upon the surface
- water, within the water column, on the bottom, or upon adjoining shorelines.

Shoreline Monitoring







End of Module 4C

